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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/058,291

DATE: 02/10/2002
 TIME: 15:09:10

#2

Input Set : N:\Crf3\RULE60\10058291.txt
 Output Set: N:\CRF3\02102002\J058291.raw

SEQUENCE LISTING

4 (1) GENERAL INFORMATION:
 6 (i) APPLICANT: Hartley, James L.
 7 Brasch, Michael A.
 9 (ii) TITLE OF INVENTION: Recombinational Cloning Using Engineered
 10 Recombination Sites
 12 (iii) NUMBER OF SEQUENCES: 35
 14 (iv) CORRESPONDENCE ADDRESS:
 15 (A) ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C
 16 (B) STREET: 1100 New York Ave., N. W. Suite 600
 17 (C) CITY: Washington
 18 (D) STATE: DC
 19 (E) COUNTRY: USA
 20 (F) ZIP: 20005-3934
 22 (v) COMPUTER READABLE FORM:
 23 (A) MEDIUM TYPE: Floppy disk
 24 (B) COMPUTER: IBM PC compatible
 25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
 28 (vi) CURRENT APPLICATION DATA:
 C--> 29 (A) APPLICATION NUMBER: US/10/058,291
 C--> 30 (B) FILING DATE: 30-Jan-2002
 56 (C) CLASSIFICATION:
 C--> 53 (vii) PRIOR APPLICATION DATA:
 34 (A) APPLICATION NUMBER: 09/432,085
 35 (B) FILING DATE: 1999-11-02
 39 (A) APPLICATION NUMBER: 09/233,493
 40 (B) FILING DATE: 20-JAN-1999
 44 (A) APPLICATION NUMBER: 09/005,476
 45 (B) FILING DATE: 12-JAN-1998
 49 (A) APPLICATION NUMBER: 08/663,002
 50 (B) FILING DATE: 07-JUN-1996
 54 (A) APPLICATION NUMBER: 08/486,139
 55 (B) FILING DATE: 07-JUN-1995
 58 (ix) TELECOMMUNICATION INFORMATION:
 59 (A) TELEPHONE: 202-371-2600
 60 (B) TELEFAX: 202-371-2540
 63 (2) INFORMATION FOR SEQ ID NO: 1:
 65 (i) SEQUENCE CHARACTERISTICS:
 66 (A) LENGTH: 25 base pairs
 67 (B) TYPE: nucleic acid
 68 (C) STRANDEDNESS: both
 69 (D) TOPOLOGY: both

ENTERED

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71      (ii) MOLECULE TYPE: cDNA
76      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
78      RKYCWGCTTT YKTRTACNAA STSGB
80      (2) INFORMATION FOR SEQ ID NO: 2:
82          (i) SEQUENCE CHARACTERISTICS:
83              (A) LENGTH: 25 base pairs
84              (B) TYPE: nucleic acid
85              (C) STRANDEDNESS: both
86              (D) TOPOLOGY: both
88      (ii) MOLECULE TYPE: cDNA
93      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
95      AGCCWGCTTT YKTRTACNAA CTSGB
97      (2) INFORMATION FOR SEQ ID NO: 3:
99          (i) SEQUENCE CHARACTERISTICS:
100              (A) LENGTH: 25 base pairs
101              (B) TYPE: nucleic acid
102              (C) STRANDEDNESS: both
103              (D) TOPOLOGY: both
105      (ii) MOLECULE TYPE: cDNA
110      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
112      GTTCAGCTTT CKTRTACNAA CTSGB
114      (2) INFORMATION FOR SEQ ID NO: 4:
116          (i) SEQUENCE CHARACTERISTICS:
117              (A) LENGTH: 25 base pairs
118              (B) TYPE: nucleic acid
119              (C) STRANDEDNESS: both
120              (D) TOPOLOGY: both
122      (ii) MOLECULE TYPE: cDNA
127      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
129      AGCCWGCTTT CKTRTACNAA GTSGB
131      (2) INFORMATION FOR SEQ ID NO: 5:
133          (i) SEQUENCE CHARACTERISTICS:
134              (A) LENGTH: 25 base pairs
135              (B) TYPE: nucleic acid
136              (C) STRANDEDNESS: both
137              (D) TOPOLOGY: both
139      (ii) MOLECULE TYPE: cDNA
144      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
146      GTTCAGCTTT YKTRTACNAA GTSGB
148      (2) INFORMATION FOR SEQ ID NO: 6:
150          (i) SEQUENCE CHARACTERISTICS:
151              (A) LENGTH: 25 base pairs
152              (B) TYPE: nucleic acid
153              (C) STRANDEDNESS: both
154              (D) TOPOLOGY: both
156      (ii) MOLECULE TYPE: cDNA
161      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
163      AGCCTGCTTT TTTGTACAAA CTTGT
165      (2) INFORMATION FOR SEQ ID NO: 7:

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167 (i) SEQUENCE CHARACTERISTICS:
168 (A) LENGTH: 25 base pairs
169 (B) TYPE: nucleic acid
170 (C) STRANDEDNESS: both
171 (D) TOPOLOGY: both
173 (ii) MOLECULE TYPE: cDNA
178 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7: 25
180 AGCCTGCTTT CTTGTACAAA CTTGT
182 (2) INFORMATION FOR SEQ ID NO: 8:
184 (i) SEQUENCE CHARACTERISTICS:
185 (A) LENGTH: 25 base pairs
186 (B) TYPE: nucleic acid
187 (C) STRANDEDNESS: both
188 (D) TOPOLOGY: both
190 (ii) MOLECULE TYPE: cDNA
195 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8: 25
197 ACCCAGCTTT CTTGTACAAA CTTGT
199 (2) INFORMATION FOR SEQ ID NO: 9:
201 (i) SEQUENCE CHARACTERISTICS:
202 (A) LENGTH: 25 base pairs
203 (B) TYPE: nucleic acid
204 (C) STRANDEDNESS: both
205 (D) TOPOLOGY: both
207 (ii) MOLECULE TYPE: cDNA
212 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9: 25
214 GTTCAGCTTT TTTGTACAAA CTTGT
216 (2) INFORMATION FOR SEQ ID NO: 10:
218 (i) SEQUENCE CHARACTERISTICS:
219 (A) LENGTH: 25 base pairs
220 (B) TYPE: nucleic acid
221 (C) STRANDEDNESS: both
222 (D) TOPOLOGY: both
224 (ii) MOLECULE TYPE: cDNA
229 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10: 25
231 GTTCAGCTTT CTTGTACAAA CTTGT
233 (2) INFORMATION FOR SEQ ID NO: 11:
235 (i) SEQUENCE CHARACTERISTICS:
236 (A) LENGTH: 25 base pairs
237 (B) TYPE: nucleic acid
238 (C) STRANDEDNESS: both
239 (D) TOPOLOGY: both
241 (ii) MOLECULE TYPE: cDNA
246 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11: 25
248 GTTCAGCTTT CTTGTACAAA GTTGG
250 (2) INFORMATION FOR SEQ ID NO: 12:
252 (i) SEQUENCE CHARACTERISTICS:
253 (A) LENGTH: 25 base pairs
254 (B) TYPE: nucleic acid
255 (C) STRANDEDNESS: both

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256         (D) TOPOLOGY: both
258     (ii) MOLECULE TYPE: cDNA
263     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
265 AGCCTGCTTT TTTGTACAAA GTTGG
267 (2) INFORMATION FOR SEQ ID NO: 13:
269     (i) SEQUENCE CHARACTERISTICS:
270         (A) LENGTH: 25 base pairs
271         (B) TYPE: nucleic acid
272         (C) STRANDEDNESS: both
273         (D) TOPOLOGY: both
275     (ii) MOLECULE TYPE: cDNA
280     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
282 AGCCTGCTTT CTTGTACAAA GTTGG
284 (2) INFORMATION FOR SEQ ID NO: 14:
286     (i) SEQUENCE CHARACTERISTICS:
287         (A) LENGTH: 25 base pairs
288         (B) TYPE: nucleic acid
289         (C) STRANDEDNESS: both
290         (D) TOPOLOGY: both
292     (ii) MOLECULE TYPE: cDNA
297     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
299 ACCCAGCTTT CTTGTACAAA GTTGG
301 (2) INFORMATION FOR SEQ ID NO: 15:
303     (i) SEQUENCE CHARACTERISTICS:
304         (A) LENGTH: 25 base pairs
305         (B) TYPE: nucleic acid
306         (C) STRANDEDNESS: both
307         (D) TOPOLOGY: both
309     (ii) MOLECULE TYPE: cDNA
314     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
316 GTTCAGCTTT TTTGTACAAA GTTGG
318 (2) INFORMATION FOR SEQ ID NO: 16:
320     (i) SEQUENCE CHARACTERISTICS:
321         (A) LENGTH: 25 base pairs
322         (B) TYPE: nucleic acid
323         (C) STRANDEDNESS: both
324         (D) TOPOLOGY: both
326     (ii) MOLECULE TYPE: cDNA
331     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
333 GTTCAGCTTT CTTGTACAAA GTTGG
335 (2) INFORMATION FOR SEQ ID NO: 17:
337     (i) SEQUENCE CHARACTERISTICS:
338         (A) LENGTH: 39 base pairs
339         (B) TYPE: nucleic acid
340         (C) STRANDEDNESS: both
341         (D) TOPOLOGY: both
343     (ii) MOLECULE TYPE: cDNA
348     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
350 CCACCACAAA CGCGTCCATG GAATTACACT TTAATTTAG

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Input Set : N:\Crf3\RULE60\10058291.txt

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352 (2) INFORMATION FOR SEQ ID NO: 18:

354 (i) SEQUENCE CHARACTERISTICS:

355 (A) LENGTH: 39 base pairs

356 (B) TYPE: nucleic acid

357 (C) STRANDEDNESS: both

358 (D) TOPOLOGY: both

360 (ii) MOLECULE TYPE: cDNA

365 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:

367 CCACCACAAG TCGACGCATG CCGACAGCCT TCCAAATGT 39

369 (2) INFORMATION FOR SEQ ID NO: 19:

371 (i) SEQUENCE CHARACTERISTICS:

372 (A) LENGTH: 46 base pairs

373 (B) TYPE: nucleic acid

374 (C) STRANDEDNESS: both

375 (D) TOPOLOGY: both

377 (ii) MOLECULE TYPE: cDNA

382 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:

384 GGCCGATTAC GATATCCCAA CGACCGAAAA CCTGTATTTT CAGGGT 46

386 (2) INFORMATION FOR SEQ ID NO: 20:

388 (i) SEQUENCE CHARACTERISTICS:

389 (A) LENGTH: 30 base pairs

390 (B) TYPE: nucleic acid

391 (C) STRANDEDNESS: both

392 (D) TOPOLOGY: both

394 (ii) MOLECULE TYPE: cDNA

399 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:

401 CAGGTTTTTCG GTCGTTGGGA TATCGTAATC 30

403 (2) INFORMATION FOR SEQ ID NO: 21:

405 (i) SEQUENCE CHARACTERISTICS:

406 (A) LENGTH: 47 base pairs

407 (B) TYPE: nucleic acid

408 (C) STRANDEDNESS: both

409 (D) TOPOLOGY: both

411 (ii) MOLECULE TYPE: cDNA

416 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:

418 GGCCAGATTA CGATATCCCA ACGACCGAAA ACCTGTATTT TCAGGGT 47

420 (2) INFORMATION FOR SEQ ID NO: 22:

422 (i) SEQUENCE CHARACTERISTICS:

423 (A) LENGTH: 31 base pairs

424 (B) TYPE: nucleic acid

425 (C) STRANDEDNESS: both

426 (D) TOPOLOGY: both

428 (ii) MOLECULE TYPE: cDNA

433 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 22:

435 CAGGTTTTTCG GTCGTTGGGA TATCGTAATC T 31

437 (2) INFORMATION FOR SEQ ID NO: 23:

439 (i) SEQUENCE CHARACTERISTICS:

440 (A) LENGTH: 48 base pairs

441 (B) TYPE: nucleic acid

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/058,291

DATE: 02/10/2002

TIME: 15:09:11

Input Set : N:\Crf3\RULE60\10058291.txt

Output Set: N:\CRF3\02102002\J058291.raw

L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:33 M:220 C: Keyword misspelled or invalid format, [(vii) PRIOR APPLICATION DATA:]